

Il Herren J. J. Westfulen 1125 009341-0093FBURBATION

S.S.207 & 208. Arrangement of Steel decks. 11.1.05 Bridgedeen Engine + Boiler Casings. Forecastle deek. Stringer 48 + 10 20 Doublings 1/20, Steel deck 1/20 Poopdeck.

Stringer 36" 7/20 Steel deek 5/20"
Wood deek 2½" Mod. Stringer 36x 7/20 On Tweendeck: Coamings in boiler space to flanged under beams

" in Engine space %20 " " "

Plating %20. Steeldeer 5/20 + 3/20 under Windlass & chain stoppers Side houses Sidehouse On Maindeek: Coamings 8/20
Plating 6/20 Steeldeen to be sheat head with 22 "Moa wood; all stiffeners L 4½ + 3½ + 1/20 spaced 25 apart. Steeldeen streathed with 2 two od (Moa) Engine Casing Galley Boiler Casing All corners of hatches & casings to be strengthened Hateh with doublings as per rule. Deckhouse Maindeck. Stringer 63× 11 (49×9/20) + 4/20 from within Bridge to 3/5 Length forward + aftw. Steel deck 9/20 (8/20) Doubling 20 Doublings To Strake of stating increased to in Length of hatetes. Strane of plating increased to in Length of hatelies Hatch Hatch BoxBeam Hatch! Hatch. Boiler casing Ingine casing Strane of plating inareased to in Tengeth of Steeldeen Between Poops Bridge to be streathed with 22 wood (Moa) Steetdeen forward of Bridge front to be obeathed with 22 wood (Mor) 24058 Tweendeens. Stringer 63 x 1/20 (49 x 1/20)
Steeldeek 8/20 (1/20) 30712.0H Doubling 20 Strake of plating increased to in length of hatches. Strake of plating increased to in length of hateres Hatch. Hatch Hatch Hatch. Hateh Lingine casing Boiler casing Strane of plating increased 2/20 in tength of casings Doubling 9/20 009341-009349-0280 A. Herren Blu 1107 I. Hestfulen 1125



11.1.05

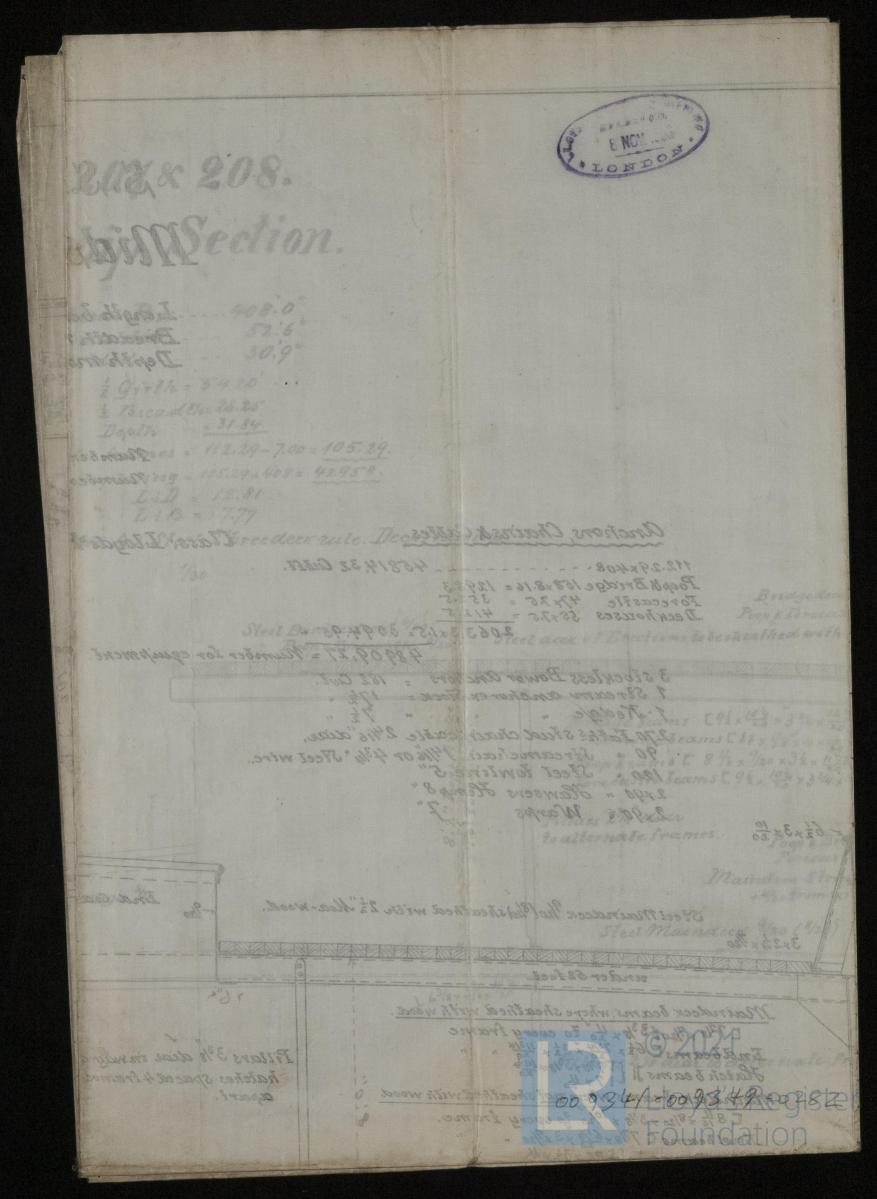
Stationers Has

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Billwark Tho



1. Alvalia S.S. 207 x 208. Midship Section. I. d. itentfuller Length between Pers ---- 408.0 11.1.05 Breadth moulded --- 52:6" Depth moulded ---- 30.9" 2 girth = 54.20' 2 Bread 1/2= 26.25 Depth ... = 31.84 Number for frames = 112.29-7.00=105.29. number for plating = 105.29 x 408 = 42958. I=D = 12.81 I - 13 = 7.77 Anchors, Chains & Cables. Class: Iloyds 100 A.I. Steel Three deck rule. Deepframing. 112.29×408 --- 45814.32 Cubst. Poop& Bridge 158 x 8.16 = 1298.3 Forecastle 47x 7.5 = 352.5 Bridgedeck Stringer 48 + 10 Deckhouses 55 +7.5 = 412.5 Poop & Forecastle Stringer. 36 x 7/20 Steel Bridgedeck 6/20 2063.3×1.5= 3094.95 4 O Bulwarn To " Poop + Forecastle 5/20 Steel deck of Erections to be sheathed with 21 "Moa-wood 48909,27 = Number for equipment. 22 x 2 4 x 1/20 3 stockless Bower anchors - 182 Cut. 1 Stream anchorex. Stock = 17½ "
1 Kedge " - 7½ " 3 2 x 3 2 x 12 (7/20) Bridge beams [9½ × 10½ × 3 3/4 × 12½ boalternate frames.

Thatch beams [11 × 11 × 12 × 4 × 13] 270 Faths stud chain coule 2416 diar 90 . Streamchain 14/16 or 43/4" Steel wire. N 1/20 (7/20) Poop beams [ 8 16 x 1/20 x 3 \( \frac{10}{20} \) to alt. frames.

Forecastle beams [ 9\frac{1}{2} \cdot \frac{10\frac{1}{4}}{20} \tag{3}\frac{12\frac{1}{4}}{20} \quad \frac{12\frac{1}{4}}{20} \quad \quad \frac{12\frac{1}{4}}{20} \quad 120 " Steel towline 5' 8.2" Poopt 2×90 " Hawsers Hemp8" 2×90 . Warps Pillars 23/4" dias 62×3×10 -double riveled in Length of bridge. to alternate frames Poop & Bridge frames L 63/4×3½×10 (9/20)
Forecastle frames [7½×3½×10/20) Bulwark 5/20 M 20 (7/20) End Coamings 1/20 Maindeck Stringer 63x 1/20 (49x 9/20) Steel Maindeck I fol 8/201 sheathed with 2½ Moa-wood. +4/20 from within Bridge to 3/5 Length Maindeck Steel Maindeck 9/20 (8/20) double riveled in length of bridge 3×24×7/20 4x4x9/20(8/20) Height of afternate reverse frames. under 52 feet. I Sheerstrake 44 x 14 (1/20) 1 63/8 × 3 16 × 20. to inway of bridgedeck. Maindeck beams, where sheathed with wood.  $E7\frac{7}{8} \times \frac{7}{20} \times \frac{3}{8} \times \frac{11}{20}$  to every frame  $Endbeams E6\frac{1}{2} \times \frac{73/4}{20} \times \frac{3}{2} \times \frac{113/4}{29}$  " + Doubling full width from within Bridge to 1/4 Length. Pillars 33/8 dias in way of Stiffeners L 42 x 32 x 9/20 Pillars 2 % diar to alternate frames or plates to be flanged hatches spaced 4 frames Maindeck beams, where not sheathed with wood with flange 5 deep [816 ×8/20 ×31/8 × 10/20 to every frame.  $K^{\frac{13}{20}}\left(\frac{10}{20}\right)$ End beams [ 7/8 x 6/8 x 3 x 9/20 "

The seams [ 7/8 x 6/8 x 3 x 9/20 "

The seams [ 7/8 x 6/8 x 3 x 9/20 " + 2 for Length Tweendeck Stringer 63 x 1/20 (49 x 1/20) - Frames [ 72 x 32 x 20 (12) from 114 to Stem. 32+32+9/20 End Coamings 8/20 Tweendeen. Steel Tweendeck 8/20 (7/20) 4 x 4 x 9/20 (8/20) + 3 1 × 3 1 × 9/20 Height of alternate reverse frames 5 % × 3½ × 14 Girder angles face plate 11×20

St × 3½ × 1920

Hollow pillars 15 diar × 20 plating in aft. ship × hoin Tweendeer beams. Details. [816 x 84 x31 x 12 to every frame. Frames: in way of double bottom

L31+31+10 (9/20). Double frames
forward from 3/5 Length to
Collission bulk head. I 13 (10) Pillars 37/8 diar in way of foreship-spaced as per profile. Where the pillars are spaced 12 frames apart a faceplate 8"12 to be fitted to the lower edge of the girders. 11x13 Endbeams [ 71/8 x 1/20 x 3 1/8 x 1/20 " " Hatch beams ] { [8 1/20 × 3 1/2 1/20 hatches spaced 4 frames 38 dia 2 frame spaceraparl outside of double bottom Girders to be connected to butkheads by brackets from 0 to 1/2 L 63/4 x31 x 10 (9/20)
from 1/4 to 5 tem 5 7 1 x 31 x 13 (120)
double frames in way of buth.
heads L 4 x 4 x 10 (9/20) 42"x 42" x 9/20. clear of hatchivays Riveting. Lowerdeen only in fore holds. Platekeel: treble riveted single buttstraps all fore + aft. Plate 10 (9) Stringer 54 + 18 (42 × \$/20) Framespacing: 25 Steel Lowerdeen 6,3 butts single rested End coamings %/20 Reverse frames: in double bottom 132, 32, 9 Sheerstrakel: quadrupte riveted overlaps for Length + 6½ 3½ × 10 (9/20) 4+4+9/20 (8/20) and L31,31 + 20 under boilers. L62+42+14 (13) and treble riveted ones at ends. angles intrecostal 3 1 3 1 10 double reverse bars to tank top
in way of engine & boiler space.
in holds, aft peak + Mach. space: H 13 (10) Stranes A to K: Treble riveled overlaps all fore saft. 24057 ider peake 11x 20 and quadruple riveted ones where the amids. in way of 25 of spaged. JOH. G. TECKLENBORG A.-G Lowerdeck beams, breadth of plates is over rule breadth. from 0 to 14 frame = L 4 2 x 3 2 x 20  $L 8\frac{11}{16} \times \frac{8\frac{1}{4}}{20} \times 3\frac{1}{2} \times \frac{12}{20}$  to every frame. Stranes M+N: treble riveted overlaps in length of bridge from 14 to 37 " L 63/4 x 3 2 x 9/20 SCRIFFSWERFT and MASCHINENFACRI Endbeams [ 71/8 x 1/20 x 33/8 x 1/20 . from 39% 112 " L 78 x 3 2 x 19/20 & double riveted ones in way of Poop & Forecastle, Bulkheads: %/20 to ho at top. Vertical

Stiffeners [75x33/8x 10 + 2 Webs

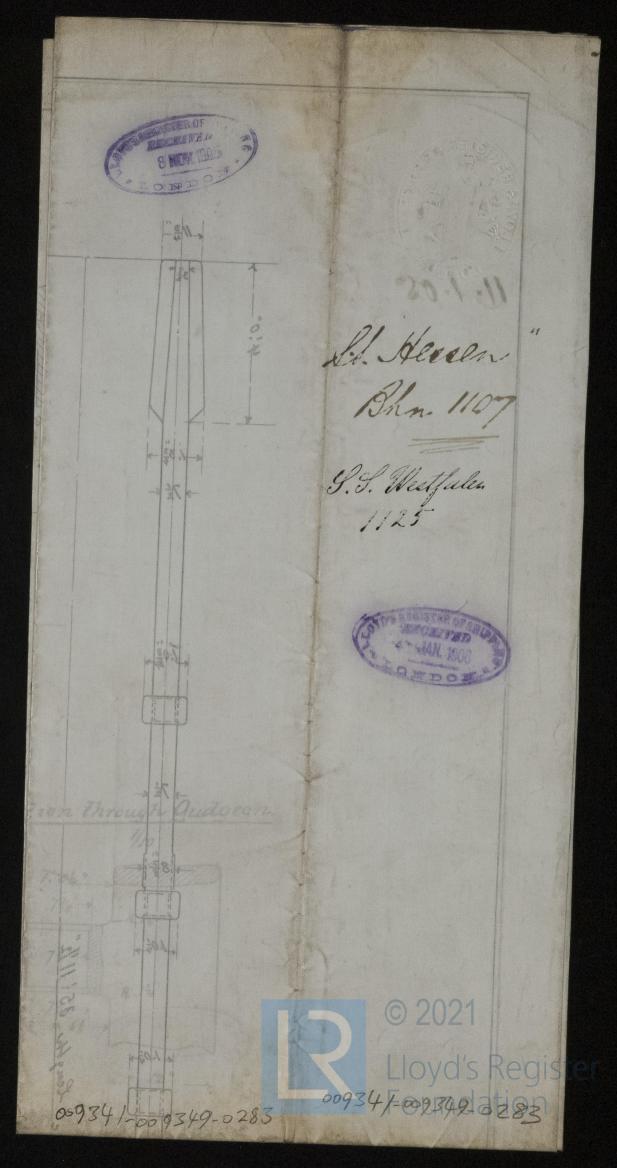
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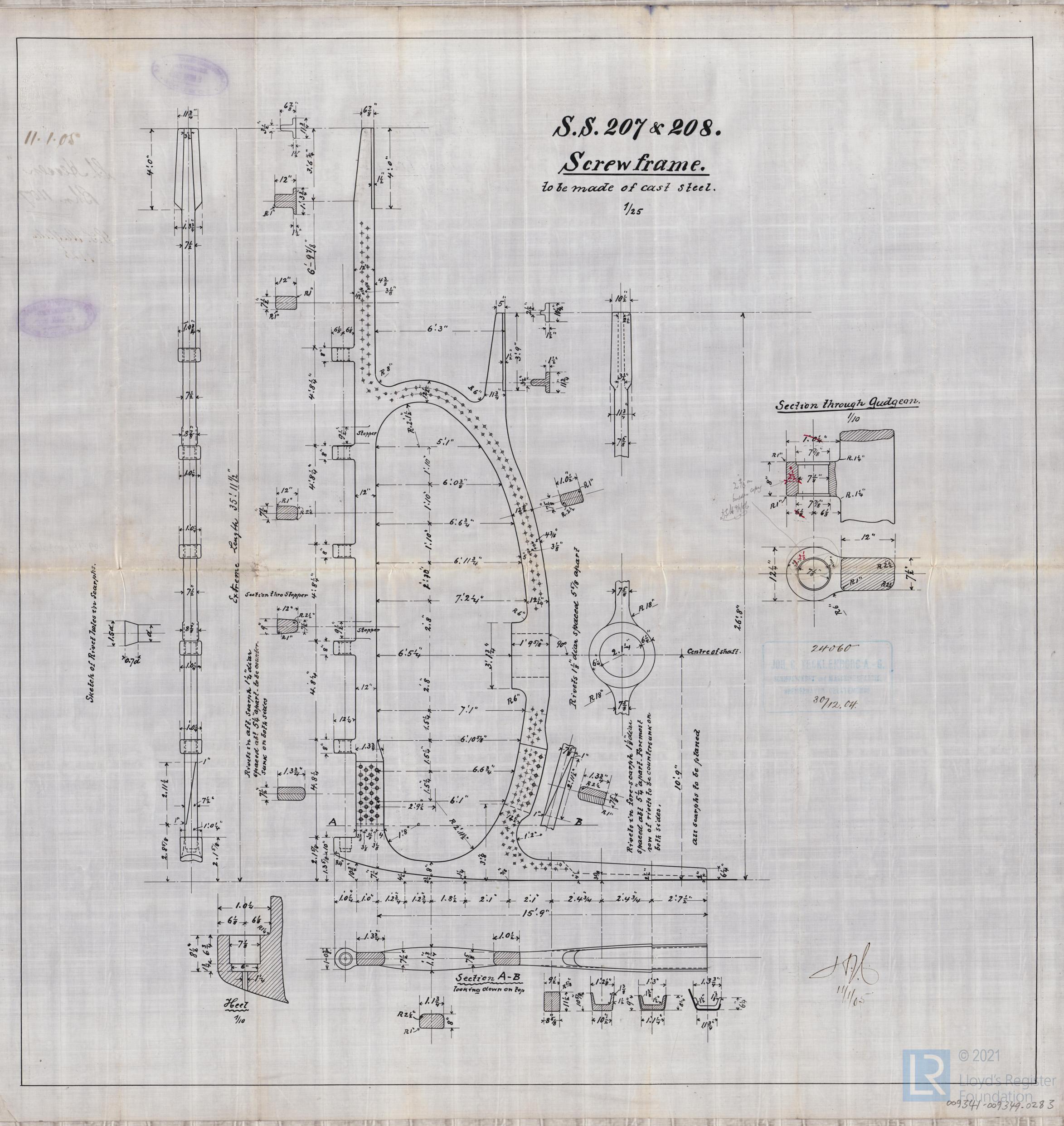
stiffened by a semibox beam

as per sketch. BREMERHAVEN-GEESTEMUNDE.
30712.04. Single rive overlaps for bulwarks. Maindeen stringer: quadrupte riveted overlaps for tlength & treble rive ones at ends. Tweendeek Stringer: treble riva overlaps all fore + aft. Plate 10/201/20 -62+32 x 10 ( %) Bridgedeen Stringer: treble riveted overlapps. of per sketch.

The tween Main & Tween decusion of plating. Stiffeners L. 42 x 3/2 x 1/2 to plating. Stiffeners L. 42 x 3/2 x 1/2 to plates to be flanged with flange 5 2 6 deep.

Stem: 1/2 x 3 5 to 9 1/8 x 2 3/4 at to/2. Lowerdeck, Poop & Forecastle Stringers: double riva overlaps.  $G = \frac{13}{20} \left( \frac{10}{20} \right)$ Steet deens: double riveted overlapped butts for i length & single riveted ones at ends Centre girder: trebleriveted overlaps all fore + aft. Screwframe: 12 x 72 with round comers. Margin plates: treble riveted overlaps for 2 length Rudderhead: 103/8 diar and not & double riveted ones at ends. Pintles 5'4 duar Plate 22" Plate 10 (9) Doubledo Hom: double riveted overlapped butis - 6 2 × 3 2 × 20 ( % ) L62+42 14 (13) Gusset plates 10 (9/20) to every 3rd frame F 13 (20) Brackets 9/2018 margin plate 38 x 10 131 x 32 x 9/20 + 1/20 under boilers Centregirder 46 x 10 (9/20) Sidegirders 1/20+ 10 under boilers 32×32× 9/20+ 10 & 12 in boiler space & 12 yn boiler space Floorplates 9/20 (8/20) 3½×3½×9/20 X¼ounder Boilers 163×33×104 and 1/20 in boiler space 31+31×9/20 3 1 + 3 1 + 9/20 Frames 32 x 32 x 10 (9/20) 5×5×20 (10) 4x4x10 Plate Neet 36 x 18 (14)  $E_{20}^{13}(10)$ C<sub>13</sub> (10) Two additional Sidegirders to be + Doubling to for i Length filled in way of engine room lank. Stranes B+C to be 13 in thicknes forward to Collision bulk head Strakes B-C&D reduced 1/20 in thickness in way of double bottom. Bottom forward from 3/5 L. to Collision bulkheead to be strengthe ned as perrule. additional girders in longine space as per rules





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